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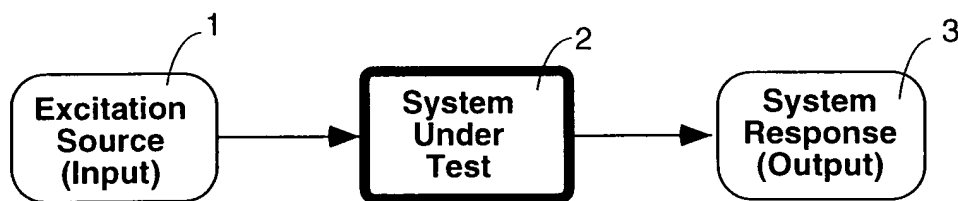
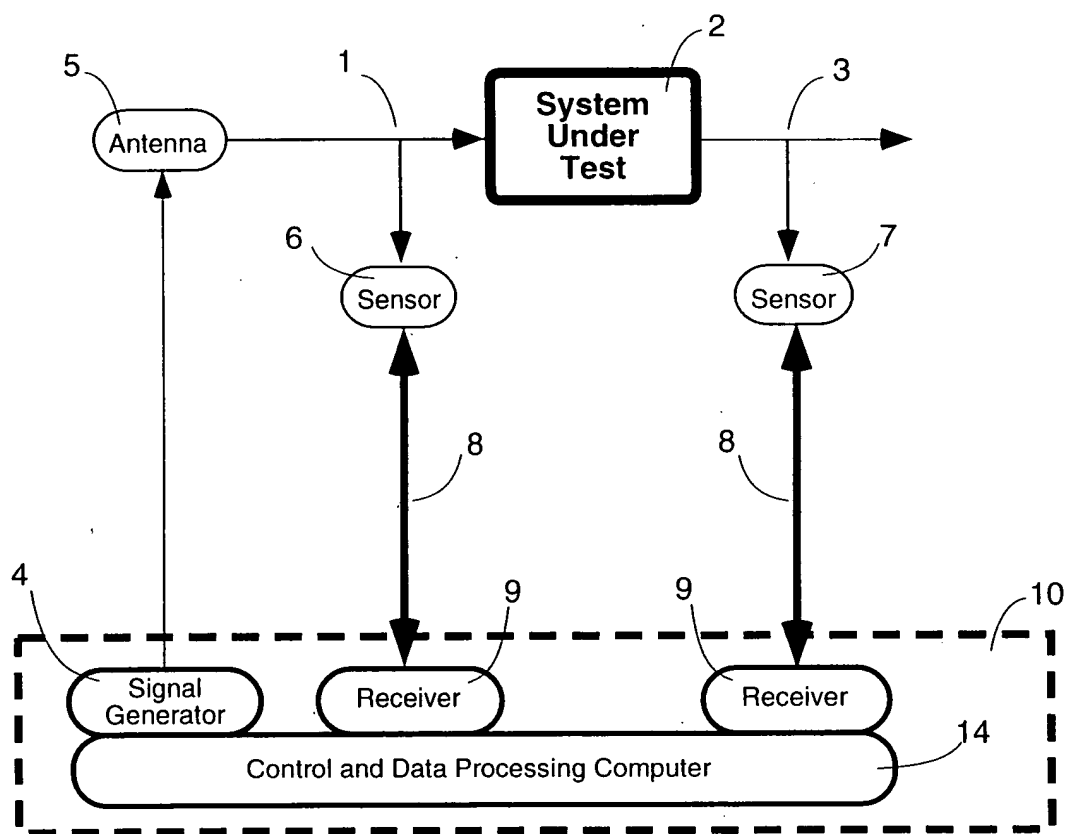


Figure 1.

PRIOR ART



PRIOR ART

Figure 2.

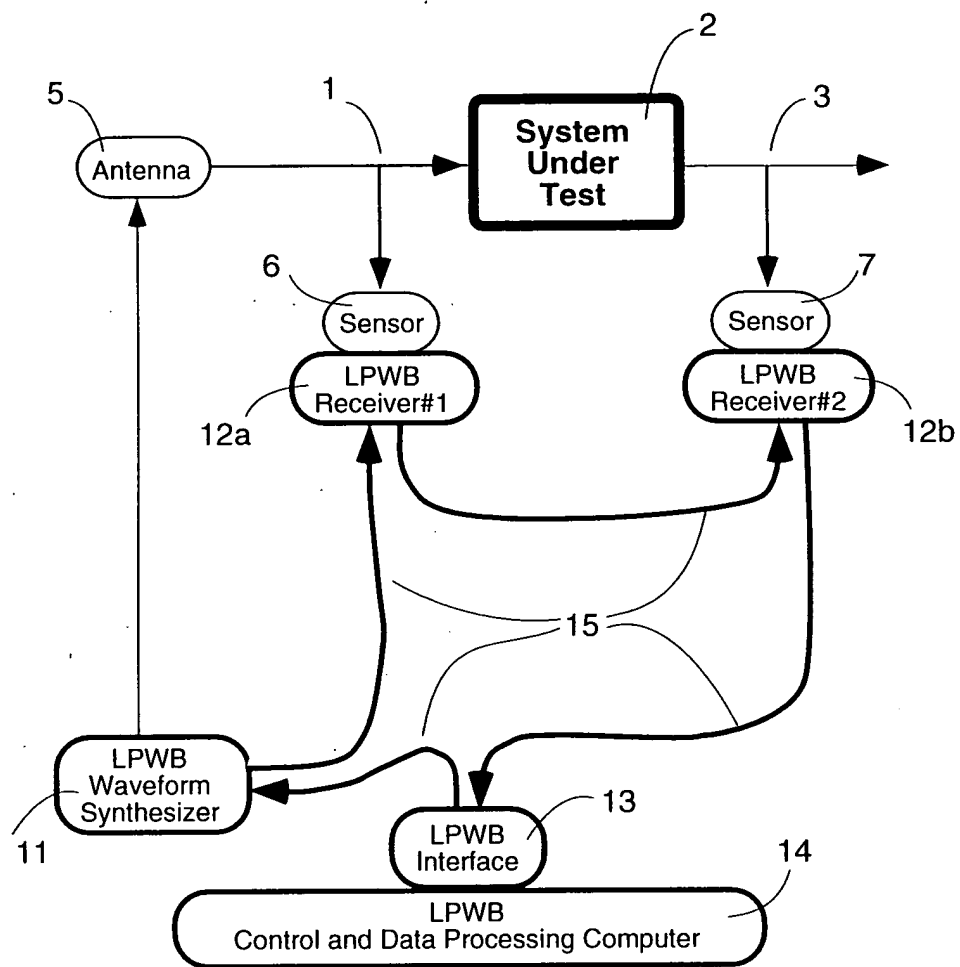


Figure 3.

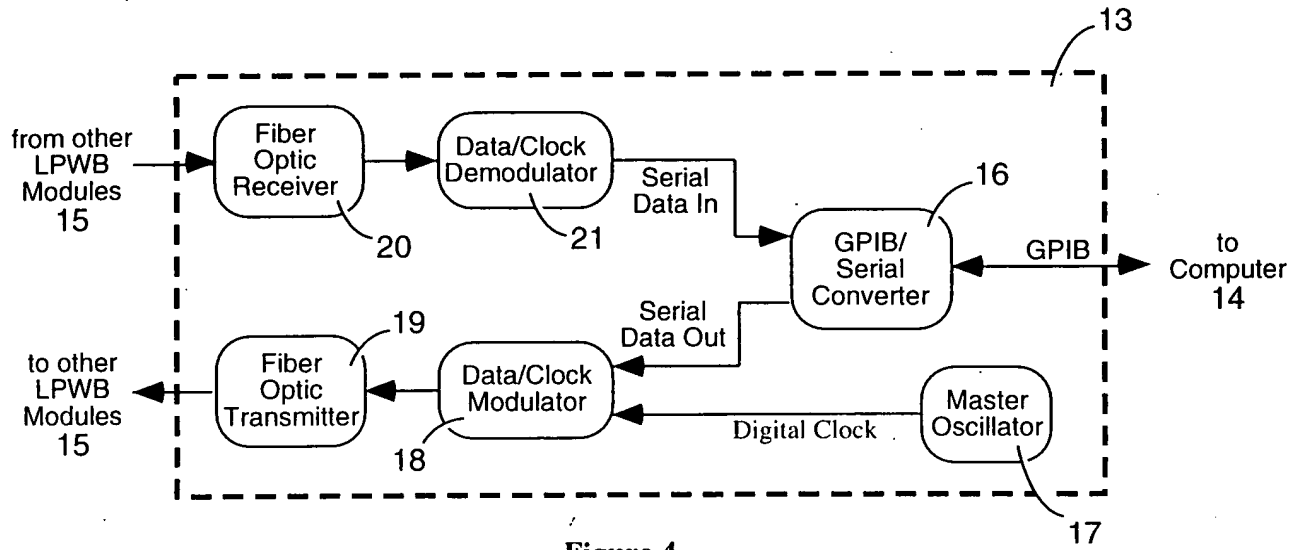


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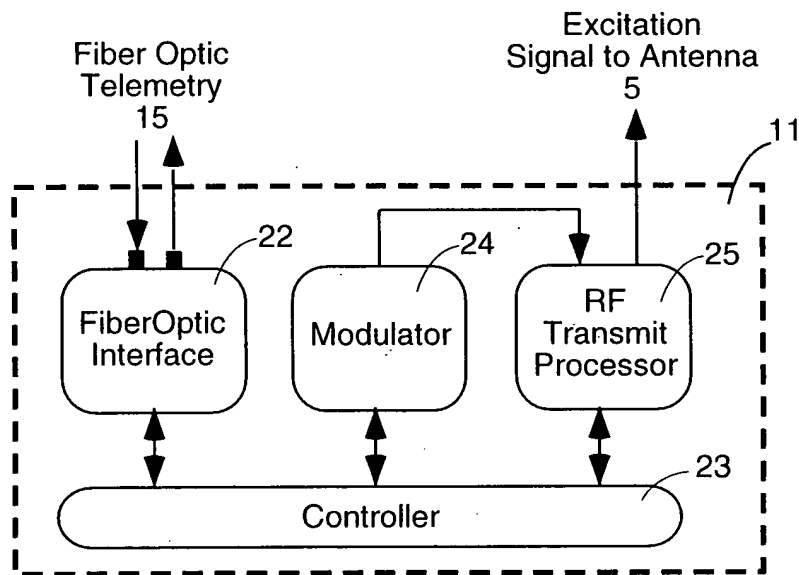


Figure 5.

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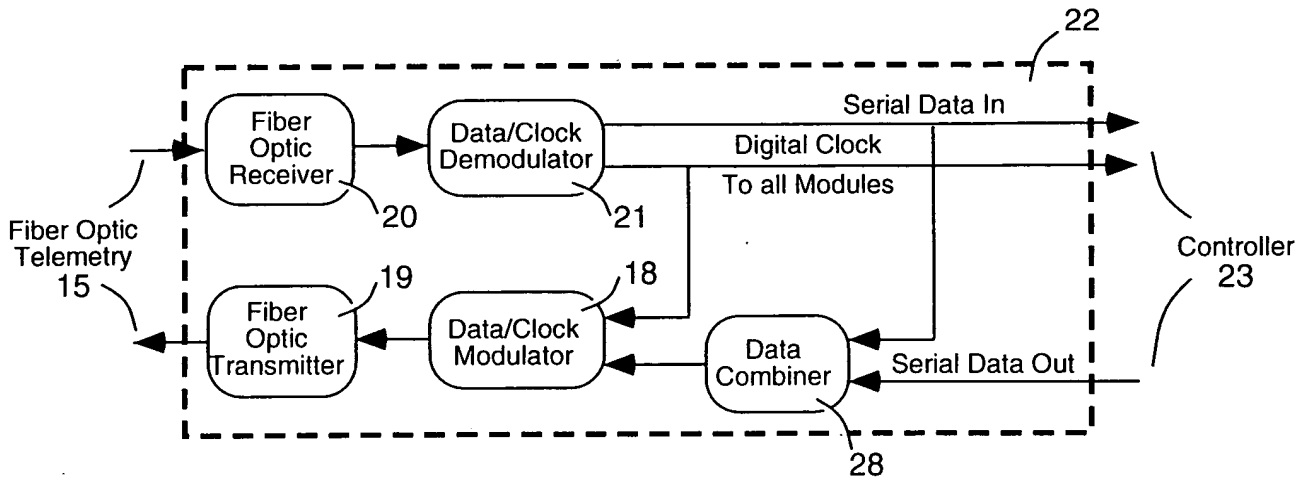


Figure 6.

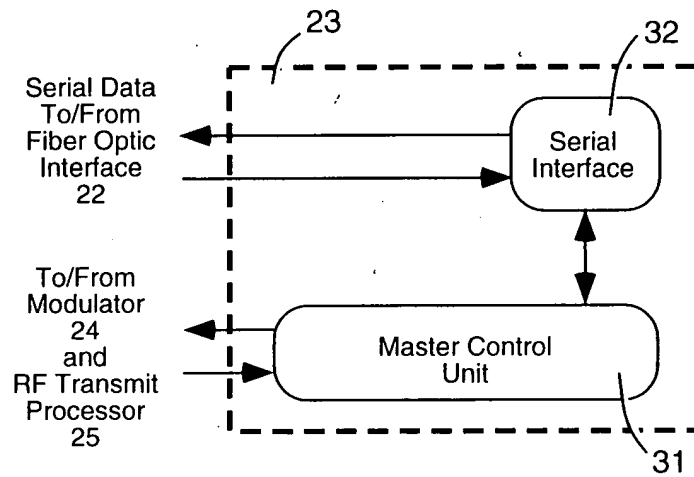


Figure 7.

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The diagram illustrates a transmitter system. A dashed box labeled 25 encloses the main transmitter components. Two input signals, 'Inphase signal from modulator 24' and 'Quadrature signal from modulator 24', enter a 'Quadrature Modulator' (43). Below the modulator is 'Prog LO 1' (37a), which receives 'Frequency Control 1' from 'From Controller 23'. The output of the modulator goes to an 'Up Converter' (44), which also receives 'Prog LO 2' (37b) from 'Frequency Control 2' of the controller. The signal then passes through a 'Selectable Filter Array' (45) controlled by 'Filter Control' from the controller, and finally an 'Output Level Control' (46) controlled by 'Level Control' from the controller. The final output is the 'RF Excitation Signal to Antenna/Amplifier 5'.

**Figure 9.**

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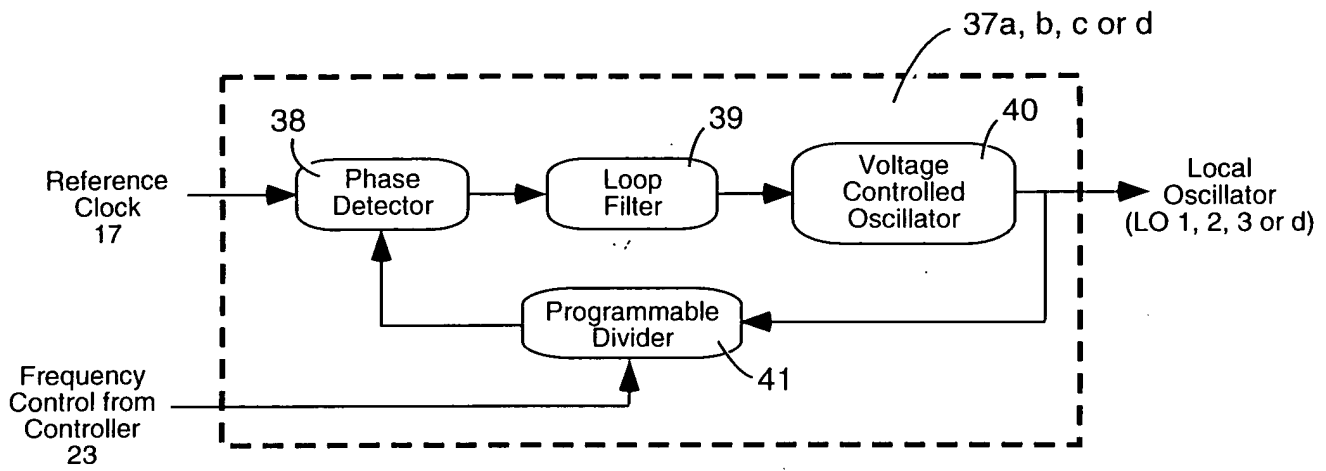


Figure 10.

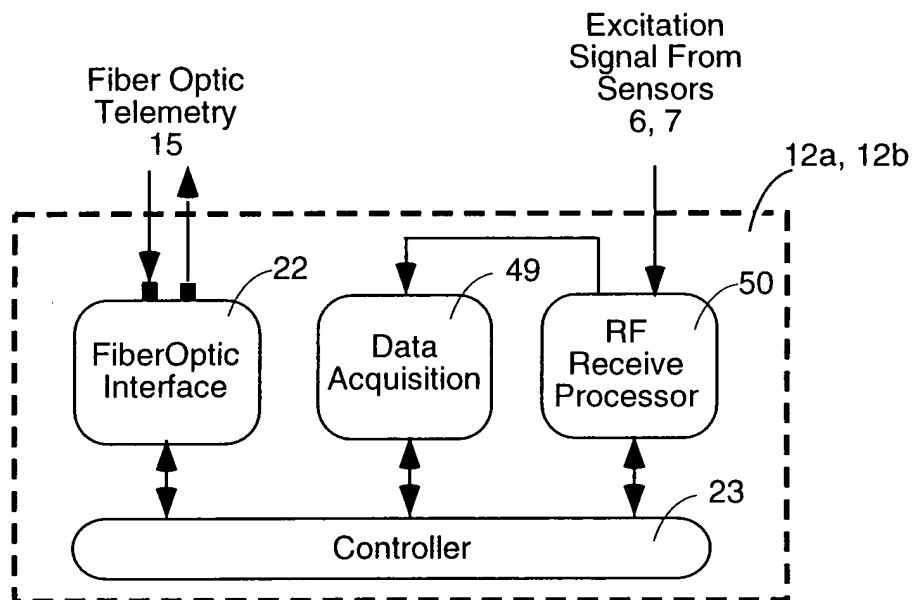
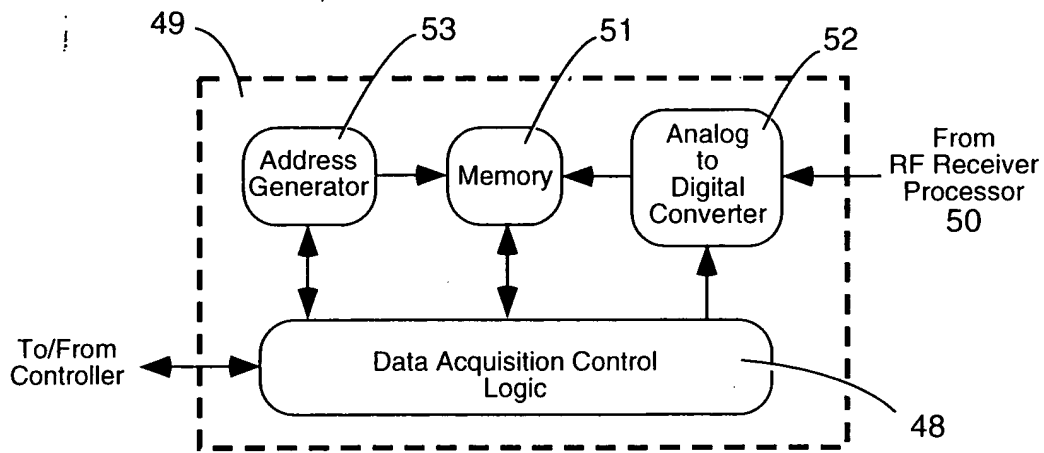
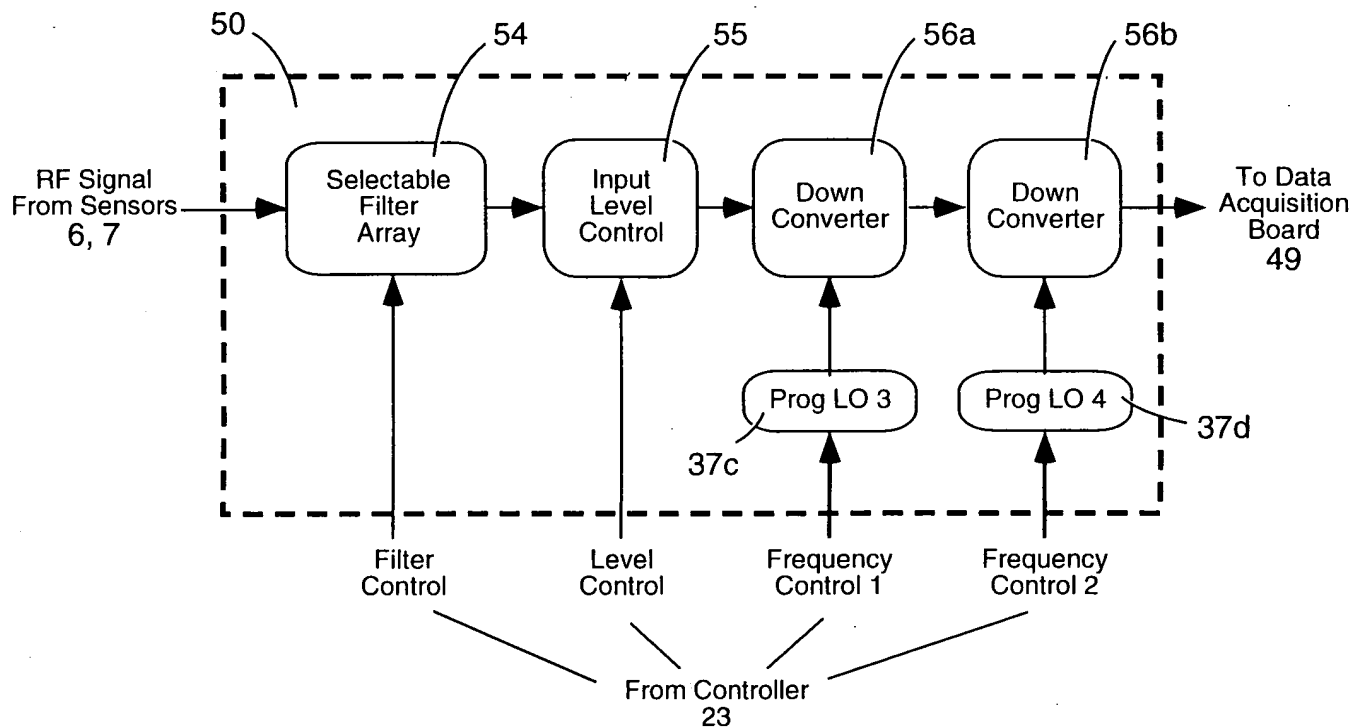


Figure 11.



**Figure 12.**



**Figure 13.**